



PATENT

**DECLARATION AND POWER OF ATTORNEY FOR
UNITED STATES LETTERS PATENT APPLICATION**

As a below-named inventor(s), I, Keith D. Trott, Joseph P. Biondi, Ronni J. Cavener, Robert V. Cummings, James M. McGuinnis, Thomas V. Sikina and Erdem A. Yurteri, hereby declare that:

My residence, post-office address and citizenship are as stated below next to my name.

I believe I am an original, first and sole inventor or if more than one name is listed below, an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: WIDEBAND PHASED ARRAY RADIATOR, the specification of which is attached hereto and identified as Attorney Case No. RTN-141PUS and Raytheon Case No. 00E112.

I hereby state that I have reviewed and understand the contents of the above-identified application specification, including the claims, as amended by any amendment specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

**EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

Country	Application Number	Date of Filing (month, day, year)	Priority Claimed Under 35 USC 119
			<u>Yes</u> <u>No</u>
			<u>Yes</u> <u>No</u>

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS
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PATENT
Filed On: July 11, 2003
Case No. RTN-141PUS
Client Case No. 00E112

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

Application Number	Date of Filing (month, day, year)	Priority Claimed Under 35 USC 119(e)
		— Yes No —
		— Yes No —
		— Yes No —

I hereby claim the benefit under Title 35, United States Code §120, of the United States Application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United State Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number	Date of Filing (month, day, year)	Status (Patented/Pending/Abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

Glenn H. Lenzen, Jr.	Reg. No. 29,320
Robin R. Loporchio	Reg. No. 40,071
Peter Dulchinos	Reg. No. 33,379
Edward S. Roman	Reg. No. 25,778

all of Raytheon Company, Intellectual Property Department, 141 Spring Street, Lexington, MA 02142

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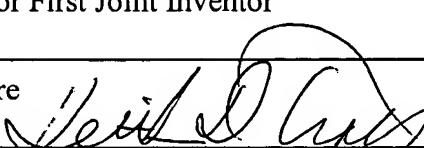
and I hereby appoint:

Christopher S. Daly	Reg. No. 37,303
Judith C. Crowley	Reg. No. 35,091
Donald F. Mofford	Reg. No. 33,740
Paul D. Durkee	Reg. No. 41,003
Richard M. Sharkansky	Reg. No. 25,800
David W. Rouille	Reg. No. 40,150
Kermitt Robinson	Reg. No. 48,734
Robert V. Klauzinski	Reg. No. 42,742
Cathy L. Peterson	Reg. No. 41,249

all of Daly, Crowley & Mofford, LLP, 275 Turnpike Street, Suite 101, Canton, Massachusetts 02021-2310, jointly, and each of them severally, my attorneys at law, with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

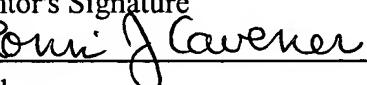
Please direct all telephone calls and address all correspondence to:

Christopher S. Daly
Daly, Crowley & Mofford, LLP
275 Turnpike Street, Suite 101
Canton, MA 02021-2310
Telephone No. (781) 401-9988 x24
Facsimile: (781) 401-9966

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Country of Citizenship USA	
Post Office Address (if different)	

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Inventor's Signature 	Date 7/24/03
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Country of Citizenship USA	
Post Office Address (if different)	

Full name of Third Joint Inventor Ronni J. Cavener	
Inventor's Signature 	Date 7/24/2003
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Country of Citizenship USA	
Post Office Address (if different)	

Full name of Fourth Joint Inventor Robert V. Cummings	
Inventor's Signature 	Date 7-23-03
Residence 104 Evelina Drive, Marlborough, MA 01752	
Country of Citizenship USA	
Post Office Address (if different)	

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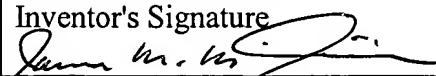
Case No. RTN-141PUS

Client Case No. 00E112

Full name of Fifth Joint Inventor

James M. McGuinnis

Inventor's Signature



Date

7/28/03

Residence

18 Peggy Lane, Salem, NH 03079

Country of Citizenship

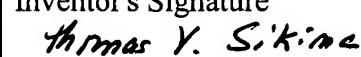
USA

Post Office Address (if different)

Full name of Sixth Joint Inventor

Thomas V. Sikina

Inventor's Signature



Date

7/23/2003

Residence

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Country of Citizenship

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Post Office Address (if different)

Full name of Seventh Joint Inventor

Erdem A. Yurteri

Inventor's Signature



Date

7/30/2003

Residence

2 Museum Square, Apt. 305, Lawrence, MA 01890

Country of Citizenship

USA

Post Office Address (if different)

**SUPPLEMENTAL DECLARATION AND POWER OF ATTORNEY FOR
UNITED STATES LETTERS PATENT APPLICATION**

As a below-named inventor(s), I, Fernando Beltran, hereby declare that:

My residence, post-office address and citizenship are as stated below next to my name.

I believe I am an original, first and sole inventor or if more than one name is listed below, an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: WIDEBAND PHASED ARRAY RADIATOR, the specification of which is attached hereto and identified as Attorney Case No. RTN-141PUS and Raytheon Case No. 00E112.

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Telephone No. (781) 401-9988 x24
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Country of Citizenship USA	
Post Office Address (if different)	